

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Currently Amended) The method of claim ~~[[3]]~~ 27, further comprising:
holding a gas concentration and a gas sensor temperature constant over a previous hour prior to performing the normalizing step.
5. (Currently Amended) The method of claim ~~[[3]]~~ 27, wherein the embedded controller tracks O₂ and CO₂ values by percentage.
6. (Currently Amended) The method of claim ~~[[1]]~~ 27, wherein the step of displaying a warning message to a user occurs once the percentage gas sensor lifetime hours used measurement exceeds a percentage of said respective maximum percentage hours for said the at least one gas sensor.
7. (Currently Amended) The method of claim ~~[[3]]~~ 27, wherein the embedded controller tracks O₂ and CO₂ operation times.

8. (Original) The method of claim 4, wherein said gas sensor is an O₂ sensor.
9. (Original) The method of claim 4, wherein said gas sensor is a CO₂ sensor.
10. (Currently Amended) A predictive warning system for incubator gas sensor failure, comprising:
 - at least one gas sensor disposed in an incubator housing;
 - an embedded controller for analyzing the at least one gas sensor for failure by adjusting a percentage gas sensor lifetime hours measurement for ~~[[a]]~~ the at least one gas sensor;
 - means for normalizing the adjusted percentage gas sensor lifetime hours measurement of the at least one gas sensor;
 - means for calculating a measurement for the at least one gas sensor of a percentage lifetime hours used for comparison with its respective maximum percentage hours for said the at least one gas sensor, and sensor, wherein the adjusted percentage gas sensor lifetime hours measurement of the at least one gas sensor is normalized, in said embedded controller, to an hour count and stored as a percentage measurement of lifetime hours used at a temperature of 20 degrees Celsius; and
 - an interface display for indicating ~~said gas sensor~~ failure of the at least one gas sensor to a user.
11. (Previously Presented) The predictive warning system of claim 10, wherein said embedded controller tracks O₂ and CO₂ values by percentage.

12. (Original) The predictive warning system of claim 10, wherein said interface display is resettable.

13. (Previously Presented) The predictive warning system of claim 10, wherein said embedded controller tracks O₂ and CO₂ operation times.

14. (Currently Amended) The predictive warning system of claim 10, wherein said embedded controller adjusts a percentage gas sensor lifetime hours measurement every hour.

15. (Currently Amended) The predictive warning system of claim 14, wherein said interface display indicates a warning message to said user once the percentage gas sensor lifetime hours used measurement exceeds a percentage of their respective maximum percentage hours of said the at least one gas sensor.

16. (Original) The predictive warning system of claim 15, wherein said gas sensor is an O₂ sensor.

17. (Original) The predictive warning system of claim 15, wherein said gas sensor is a CO₂ sensor.

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Currently Amended) The predictive warning system of claim ~~[[19]]~~ 28, further comprising holding a gas concentration and a gas sensor temperature constant over a previous hour prior to performing the normalizing step.

22. (Currently Amended) The predictive warning system of claim ~~[[19]]~~ 28, wherein an embedded controller tracks O₂ and CO₂ values by percentage.

23. (Currently Amended) The predictive warning system of claim ~~[[19]]~~ 28, wherein an embedded controller tracks O₂ and CO₂ operation times.

24. (Currently Amended) The predictive warning system of claim ~~[[18]]~~ 28, wherein said means for displaying a warning message to a user is resettable.

25. (Currently Amended) The predictive warning system of claim ~~[[20]]~~ 28, wherein ~~said~~ the at least one gas sensor is an O₂ sensor.

26. (Currently Amended) The predictive warning system of claim ~~[[20]]~~ 28, wherein ~~said~~ the at least one gas sensor is ~~[[an]]~~ a CO₂ sensor.

27. (New) A method of predicting failure of gas sensors in an incubator environment comprising the steps of:

analyzing at least one gas sensor for lifetime adjustment;

adjusting a percentage gas sensor lifetime hours measurement for the at least one

gas sensor;

normalizing the adjusted percentage gas sensor lifetime hours measurement of the at least one gas sensor;

calculating a measurement for the at least one gas sensor of a percentage lifetime hours used for comparison with its respective maximum percentage hours for the at least one gas sensor;

repeating the adjusting step every hour as determined by a cumulative clock in an embedded controller, wherein the adjusted percentage gas sensor lifetime hours measurement of the at least one gas sensor is normalized, in said embedded controller, to an hour count and stored as a percentage measurement of lifetime hours used at a temperature of 20 degrees Celsius; and

displaying a warning message to a user.

28. (New) A predictive warning system for incubator gas sensor failure, comprising:
- means for analyzing at least one gas sensor for lifetime adjustment;
 - means for adjusting a percentage gas sensor lifetime hours measurement for the at least one gas sensor;
 - means for normalizing the adjusted percentage gas sensor lifetime hours measurement of the at least one gas sensor;
 - means for calculating a measurement for the at least one gas sensor of a percentage lifetime hours used for comparison with its respective maximum percentage hours for the at least one gas sensor;
 - means for adjusting the percentage gas sensor lifetime hours every hour, wherein the adjusted percentage gas sensor lifetime hours measurement of the at least one gas sensor is normalized, in an embedded controller, to an hour count and stored as a percentage measurement of lifetime hours used at a temperature of 20 degrees Celsius; and

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means for displaying a warning message to a user once the percentage gas sensor lifetime hours used measurement exceeds a percentage of the at least one respective maximum percentage hours for said gas sensor.